

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**HOBBBS OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

NOV 03 2014  
RECEIVED

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-42324	<sup>2</sup> Pool Code 96674 63805	<sup>3</sup> Pool Name SANTA DUNCAN Bone Spring South
<sup>4</sup> Property Code 313723	<sup>5</sup> Property Name JAMES 20 FEDERAL	<sup>6</sup> Well Number 25H
<sup>7</sup> GRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 3680'

<sup>10</sup>Surface Location

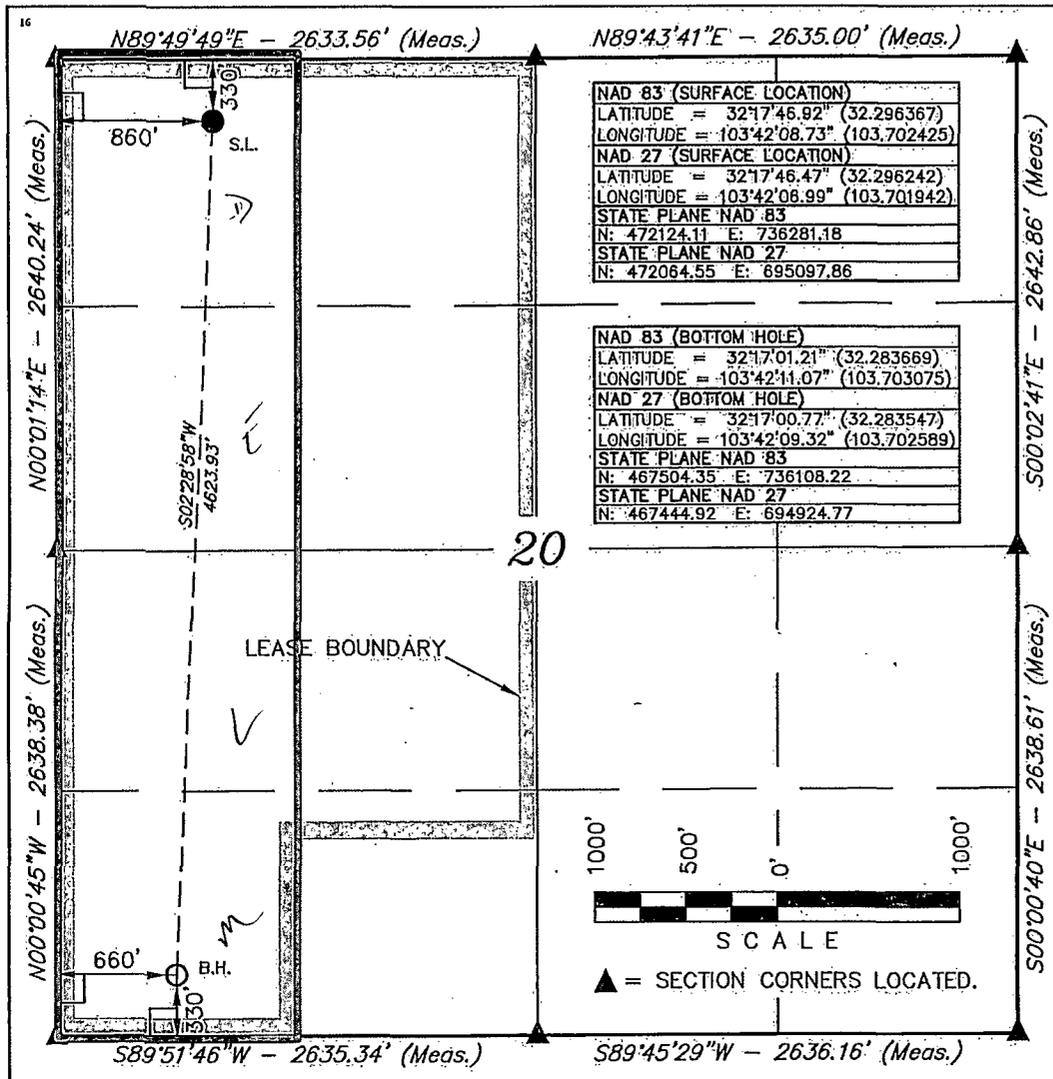
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	23S	32E		330	NORTH	860	WEST	LEA

<sup>11</sup>Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	20	23S	32E		330	SOUTH	660	WEST	LEA

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



**"OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Hope Knauls 12/10/13  
Signature Date

Printed Name

hknauls@cimarex.com

E-mail Address

**"SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

September 9, 2013

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

NOV 04 2014 PM

CIMAREX ENERGY CO.  
JAMES 20 FEDERAL 25H  
SECTION 20, T23S, R32E, N.M.P.M.

BEGINNING AT HIGHWAY 128 PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE JAMES 20 FEDERAL COM 26H TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 1,198' TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE JAMES 19 FEDERAL 29H TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 799' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM HIGHWAY 128 TO THE PROPOSED LOCATION IS APPROXIMATELY 5.4 MILES.

T  
23  
S

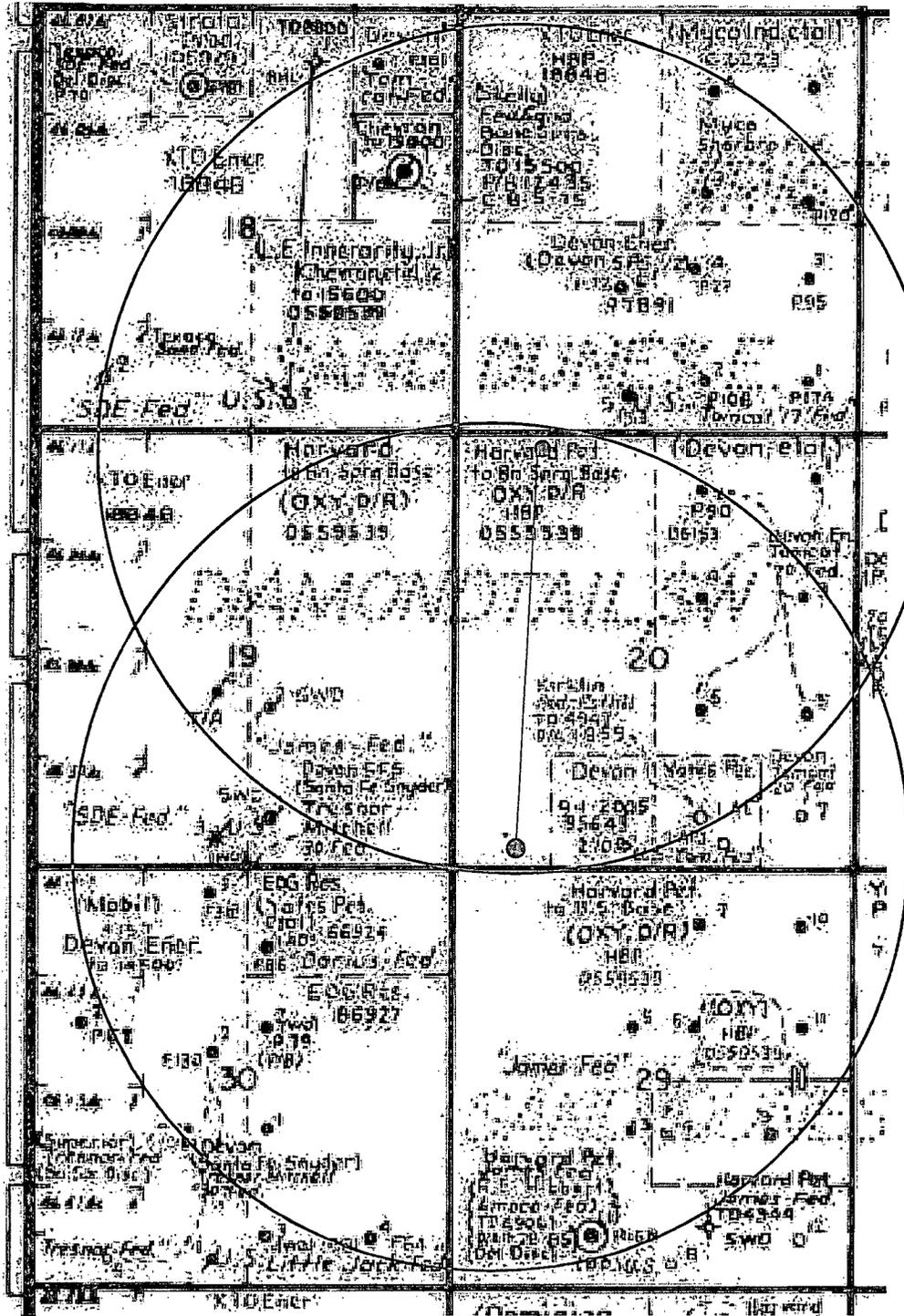
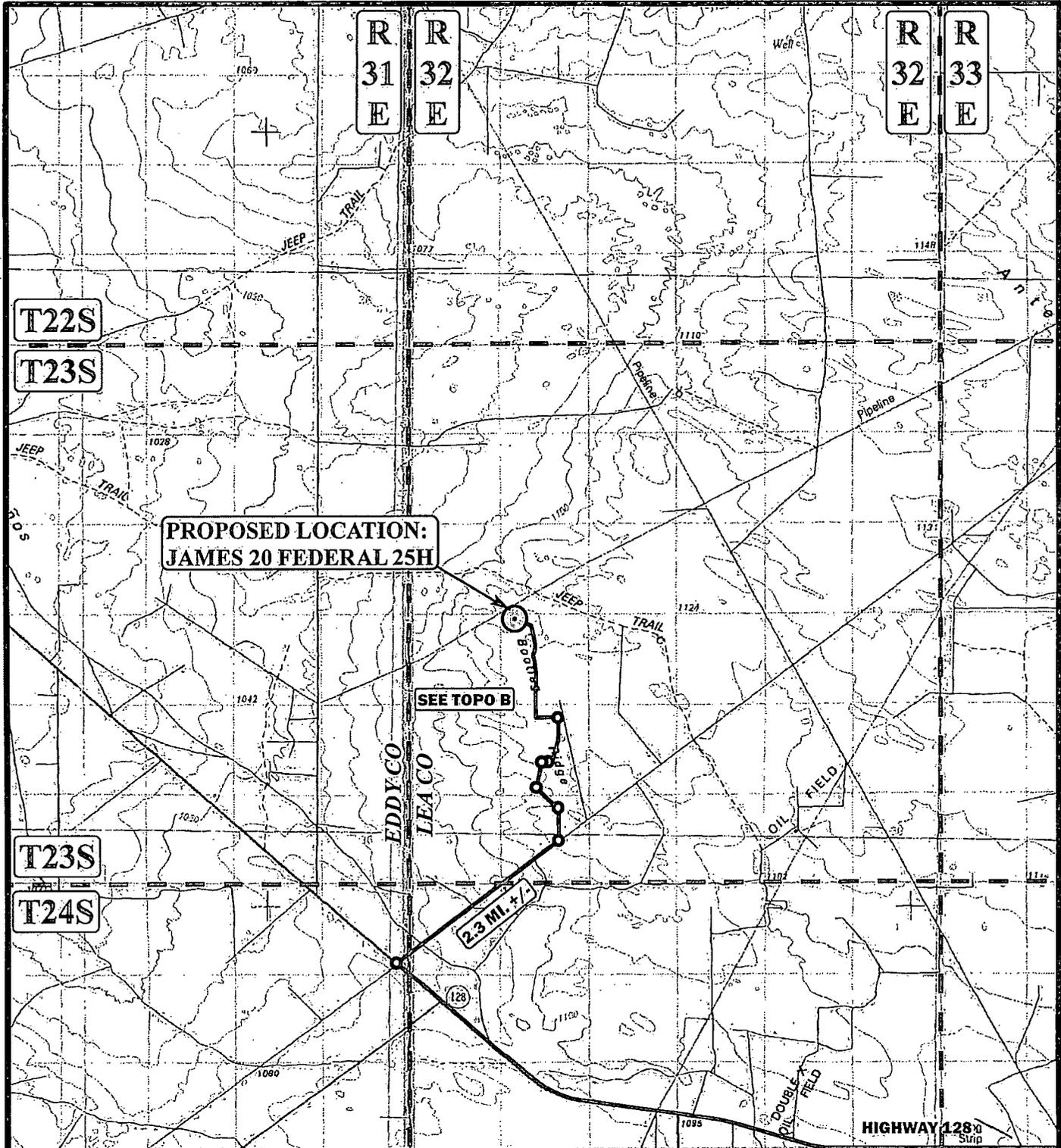


Exhibit A – One Mile Radius Map  
James 20 Federal 25H  
Cimarex Energy Company  
20-23S-32E  
SHL 330 FNL & 860 FWL  
BHL 330 FSL & 660 FWL  
Lea County, NM



**PROPOSED LOCATION:  
JAMES 20 FEDERAL 25H**

SEE TOPO B

2.3 MI. +/-

HIGHWAY 128 30 Strip

**LEGEND:**  
 PROPOSED LOCATION  
 MALAGA, NEW MEXICO IS +/- 22.2 MILES WESTERLY

SCALE: 1:100,000	REVISED: 10-08-13
DRAWN BY: J.L.H.	REV:10-17-13J.L.G.
DATE DRAWN: 09-17-13	



**CIMAREX** CIMAREX ENERGY CO.

JAMES 20 FEDERAL 25H  
 SECTION 20, T23S, R32E, N.M.P.M.  
 330' FNL 660' FWL



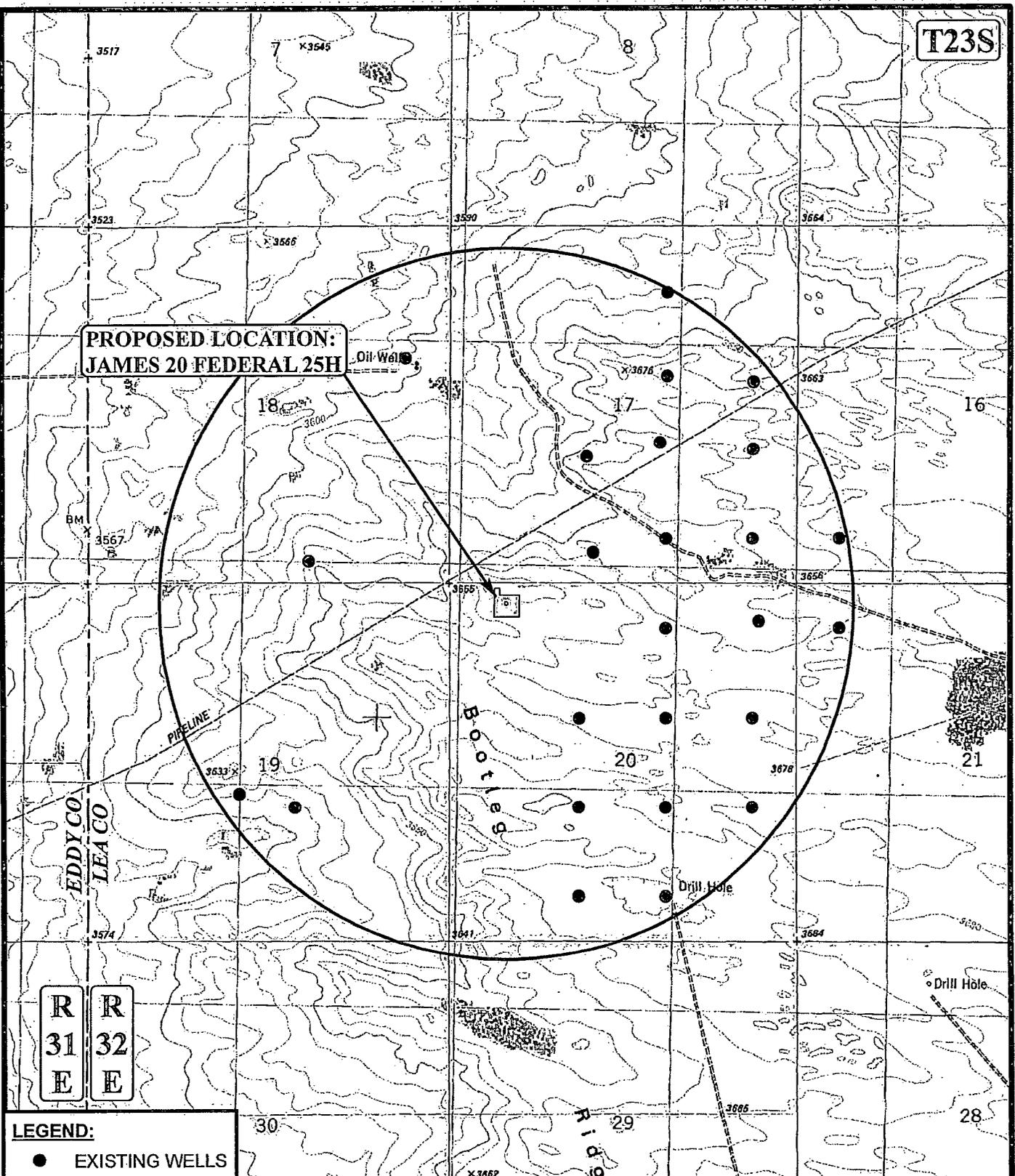
Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

**ACCESS ROAD MAP** TOPO A

Exhibit B

T23S

PROPOSED LOCATION:  
JAMES 20 FEDERAL 25H



R	R
31	32
E	E

**LEGEND:**  
● EXISTING WELLS

SCALE: 1" = 2000'  
DRAWN BY: J.L.H.  
DATE DRAWN: 09-17-13

REVISED:



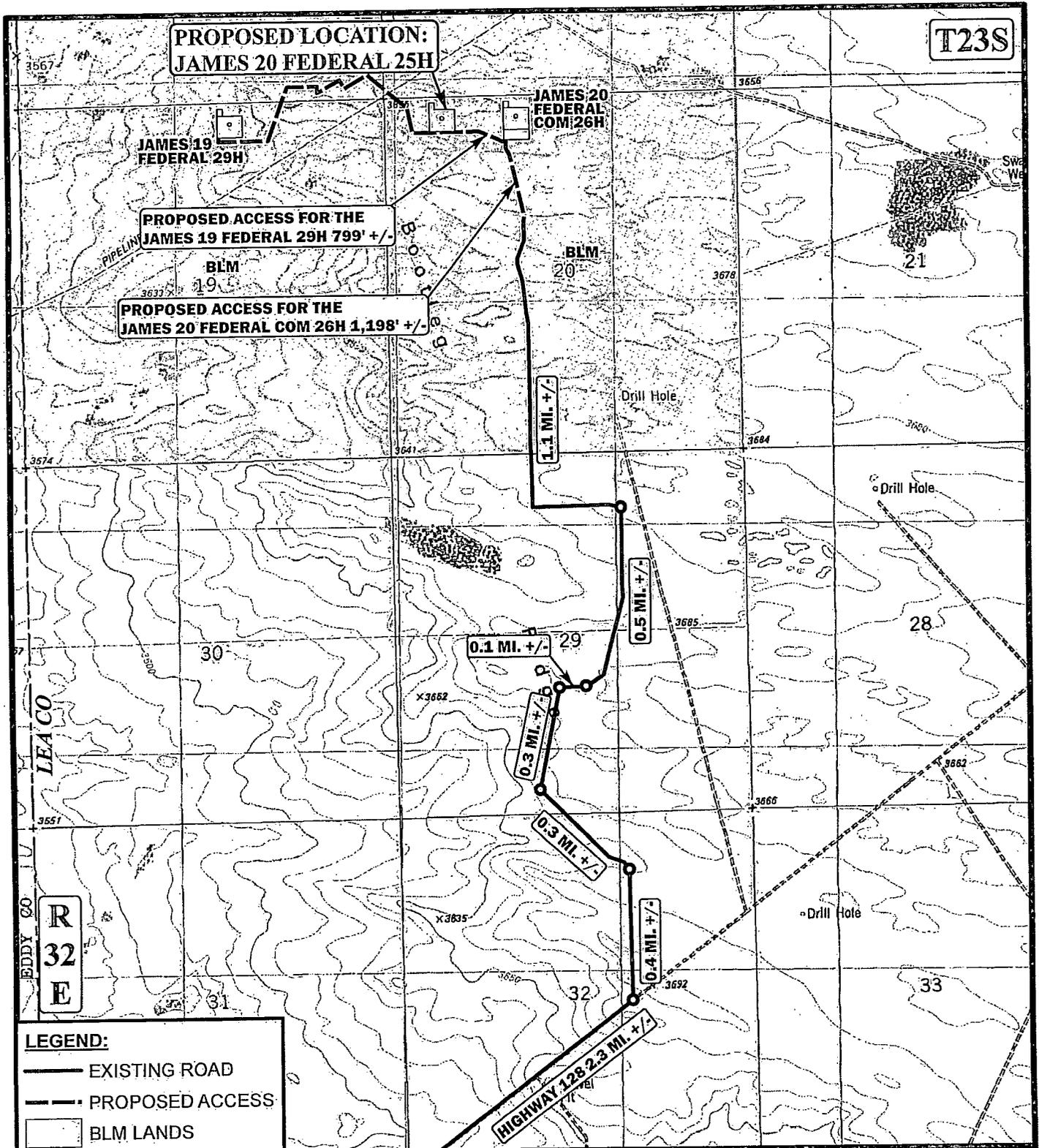
**CIMAREX** CIMAREX ENERGY CO.

JAMES 20 FEDERAL 25H  
SECTION 20, T23S, R32E, N.M.P.M.  
330' FNL 660' FWL



Corporate Office: \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017

**TOPOGRAPHIC MAP** TOPO C



\*PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'	REVISED: 10-08-13
DRAWN BY: J.L.H.	REV: 10-17-13 J.L.G.
DATE DRAWN: 09-17-13	



**CIMAREX** CIMAREX ENERGY CO.

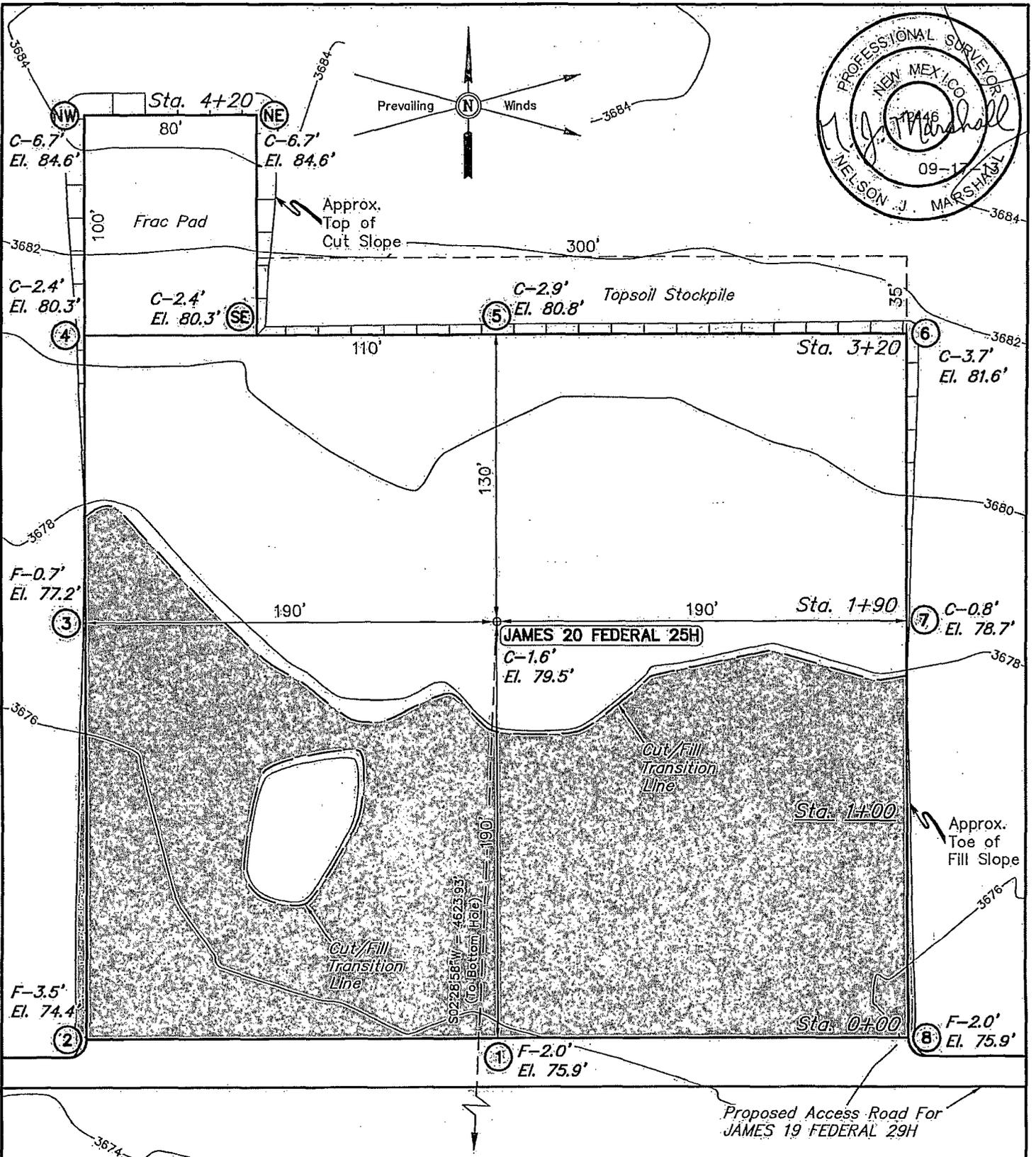
JAMES 20 FEDERAL 25H  
SECTION 20, T23S, R32E, N.M.P.M.  
330' FNL 660' FWL



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**ACCESS ROAD MAP** **TOPO B**

Exhibit C-1



ELEV. UNGRADED GROUND AT LOC. STAKE = 3679.5' FINISHED GRADE ELEV. AT LOC. STAKE = 3677.9'

NOTES:  
 • Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.

Exhibit D-2

**CIMAREX ENERGY CO.**

JAMES 20 FEDERAL 25H  
 SECTION 20, T23S, R32E, N.M.P.M.  
 330' FNL 860' FWL



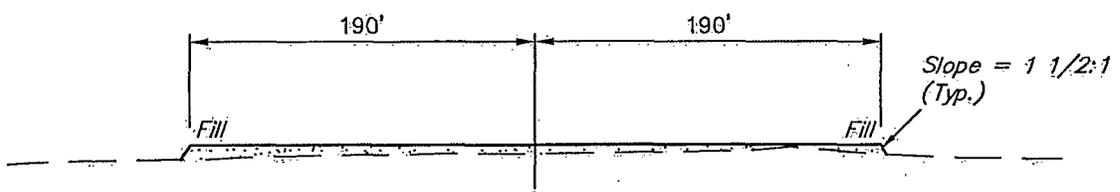
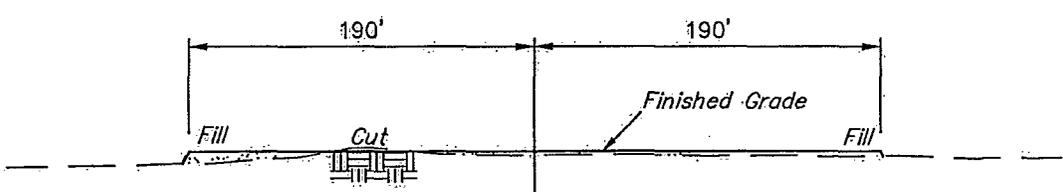
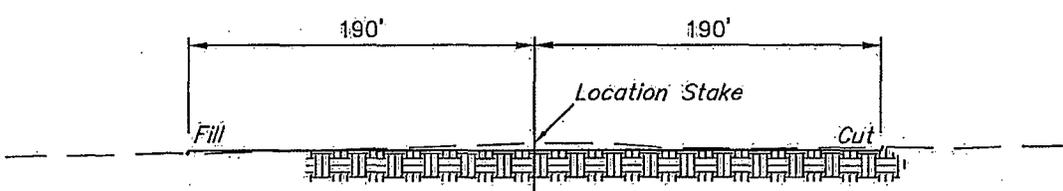
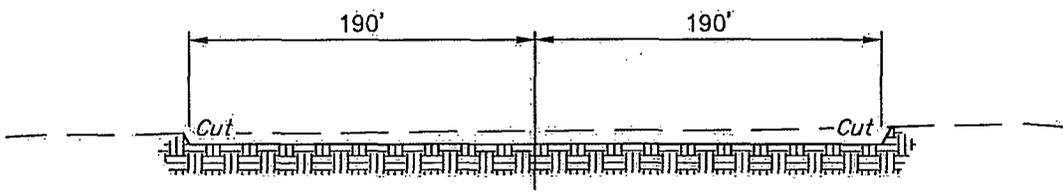
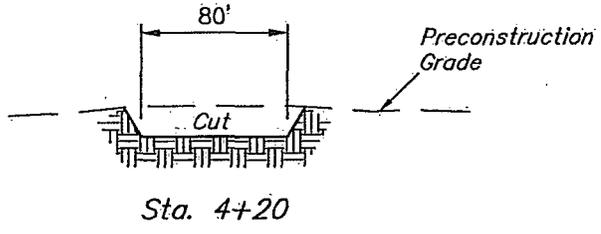
Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

DRAWN BY: J.S.	SCALE: 1" = 60'
DATE: 09-17-13	REVISED:

**LOCATION LAYOUT** **FIGURE #1**



1" = 40'  
 X-Section Scale  
 1" = 100'



APPROXIMATE EARTHWORK QUANTITIES		APPROXIMATE SURFACE DISTURBANCE AREAS		
(5") TOPSOIL STRIPPING	2,100 Cu. Yds.		DISTANCE	ACRES
REMAINING LOCATION	3,890 Cu. Yds.		WELL SITE DISTURBANCE	N/A ±3.332
<b>TOTAL CUT</b>	<b>5,990 Cu. Yds.</b>		10' WIDE PIPELINE R-O-W DISTURBANCE	±35.36' ±0.008
<b>FILL</b>	<b>3,890 Cu. Yds.</b>		<b>TOTAL SURFACE USE AREA</b>	<b>±35.36' ±3.340</b>
EXCESS MATERIAL	2,100 Cu. Yds.			
TOPSOIL	2,100 Cu. Yds.			
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>			

**NOTES:**  
 • Fill quantity includes 5% for compaction.  
 • Topsoil should not be stripped below finished grade on substructure area.

**CIMAREX ENERGY CO.**

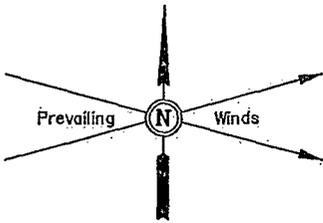
JAMES 20 FEDERAL 25H  
 SECTION 20, T23S, R32E, N.M.P.M.  
 330' FNL-860' FWL

DRAWN BY: J.S.      SCALE: AS SHOWN  
 DATE: 09-17-13      REVISED:

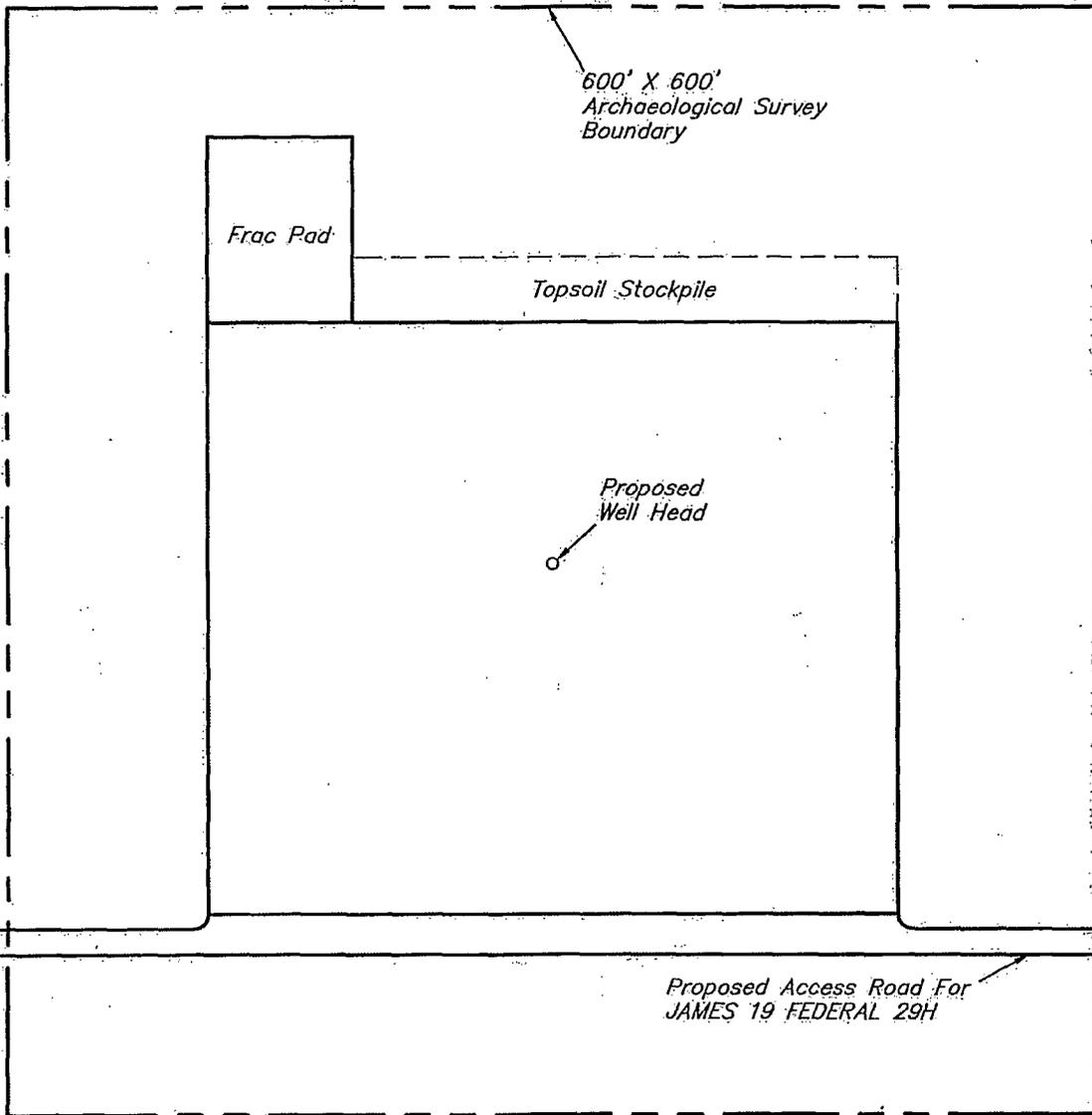


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**TYPICAL CROSS SECTIONS      FIGURE #2**



SECTION 17  
SECTION 20



NOTES:



**CIMAREX ENERGY CO.**

JAMES 20 FEDERAL 25H  
SECTION 20, T23S, R32E, N.M.P.M.  
330' FNL 860' FWL

DRAWN BY: J.S.      SCALE: 1" = 100'

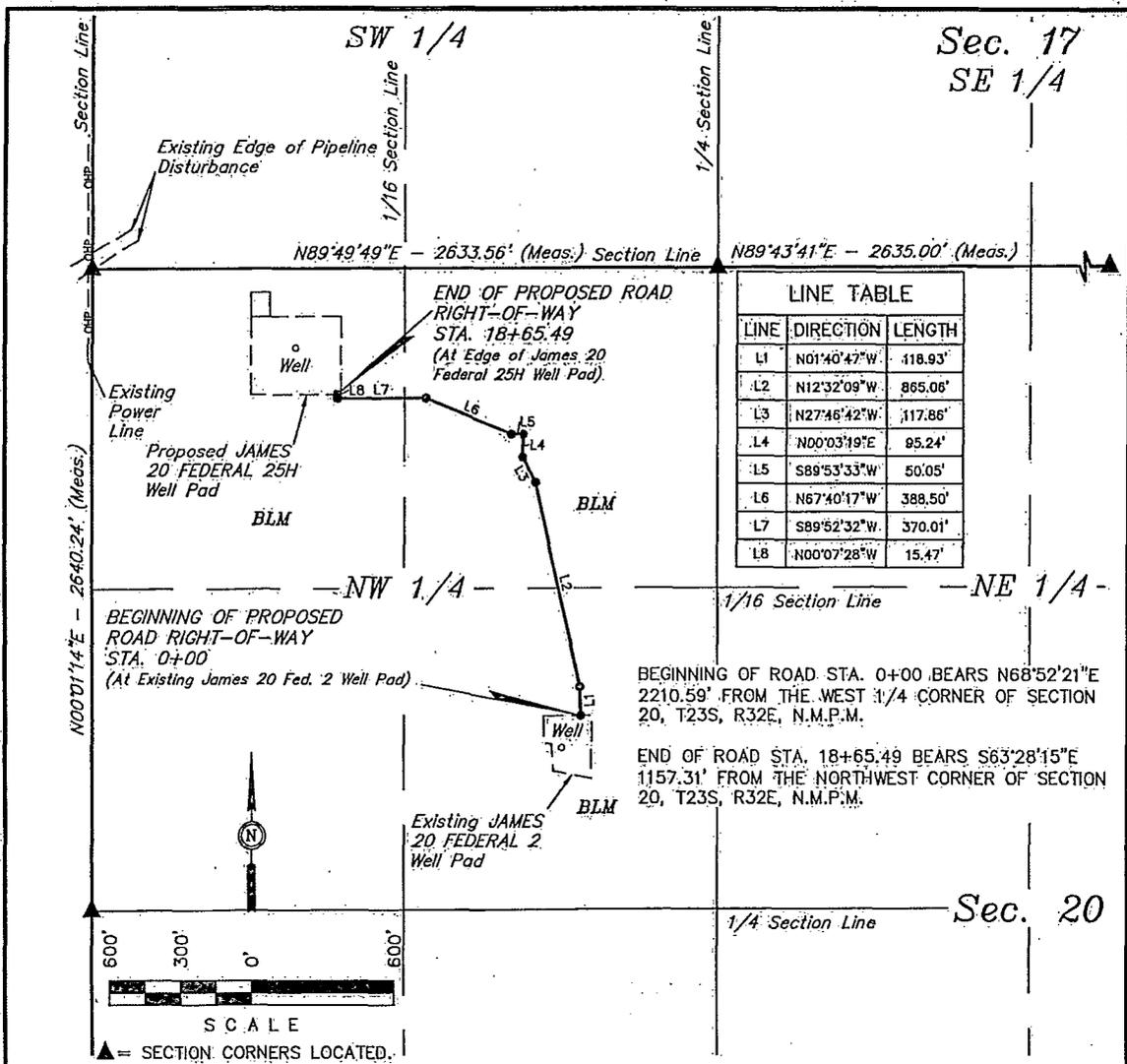
DATE: 09-17-13      REVISED:

ARCHAEOLOGICAL SURVEY  
BOUNDARY

FIGURE #4



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LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N01°40'47"W	118.93'
L2	N12°32'09"W	865.06'
L3	N27°46'42"W	117.86'
L4	N00°03'19"E	95.24'
L5	S89°53'33"W	50.05'
L6	N67°40'17"W	388.50'
L7	S89°52'32"W	370.01'
L8	N00°07'28"W	15.47'

**ROAD RIGHT-OF-WAY DESCRIPTION**

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 20, T23S, R32E, N.M.P.M., WHICH BEARS N68°52'21"E 2210.59' FROM THE WEST 1/4 CORNER OF SAID SECTION 20, THENCE N01°40'47"W 118.93'; THENCE N12°32'09"W 865.06'; THENCE N27°46'42"W 117.86'; THENCE N00°03'19"E 95.24'; THENCE S89°53'33"W 50.05'; THENCE N67°40'17"W 388.50'; THENCE S89°52'32"W 370.01'; THENCE N00°07'28"W 15.47' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 20, WHICH BEARS S63°28'15"E 1157.31' FROM THE NORTHWEST CORNER OF SAID SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.285 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS			
DESCRIPTION	FEET	ACRES	RODS
NW 1/4 SEC. 20	1865.49	1.285	113.06

CERTIFICATE OF PROFESSIONAL SURVEY

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Richard J. Washburn*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 12446  
STATE OF NEW MEXICO

NOTES:  
• The maximum grade of existing ground for the proposed access road is ±6%.

**Exhibit C-2**

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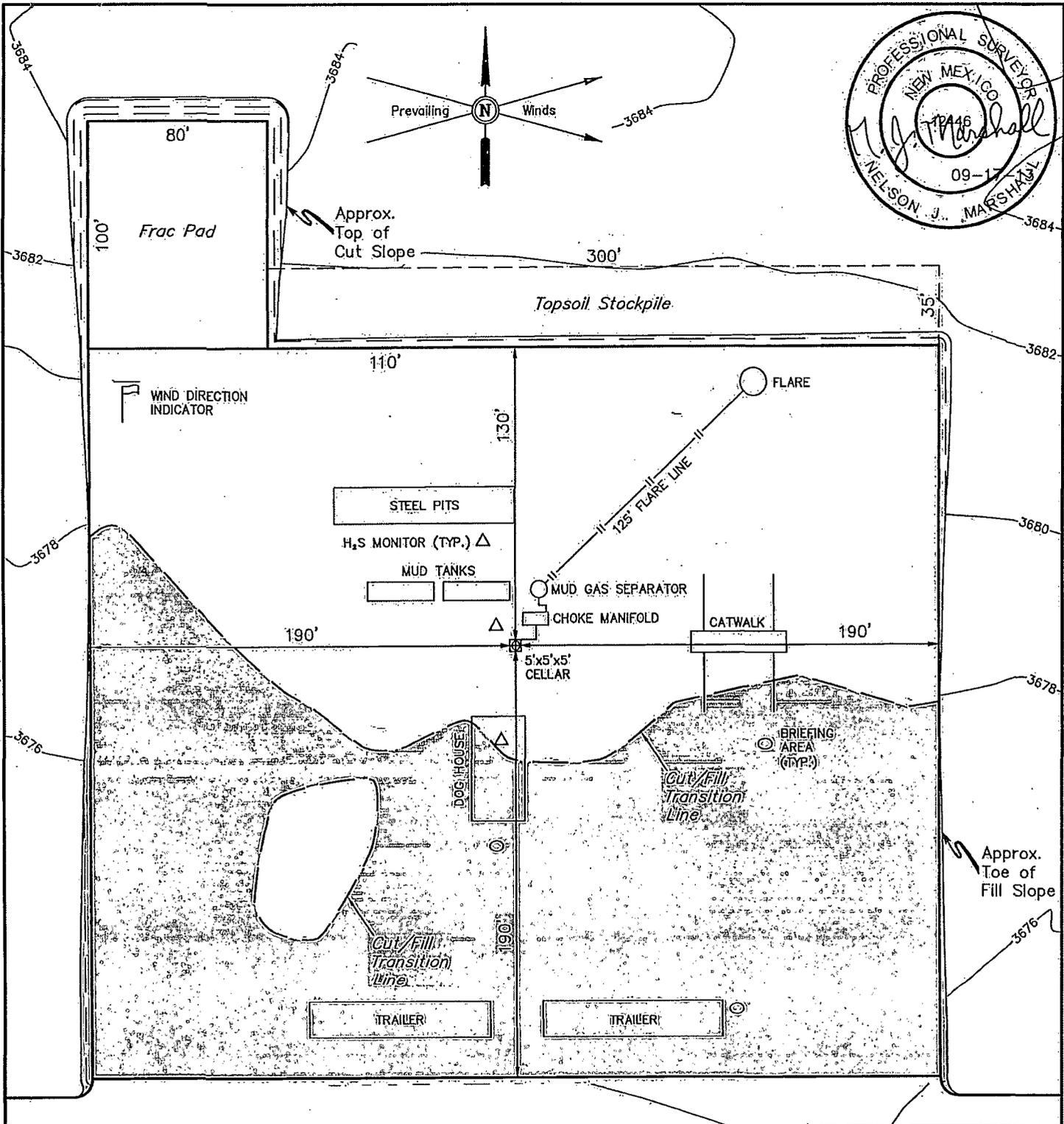
**UINTAH**  
ENGINEERING & LAND SURVEYING

**CIMAREX ENERGY CO.**

JAMES 20 FEDERAL 25H  
SECTION 20, T23S, R32E, N.M.P.M.  
330' FNL 860' FWL

DRAWN BY: B.D.H.      SCALE: 1" = 600'  
DATE: 11-27-13

**ACCESS ROAD R-O-W**      **EXHIBIT C-2**



NOTES:  
 • Flare pit is to be located a min. of 125' from the well head.

**Exhibit D**

**CIMAREX ENERGY CO.**

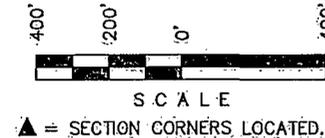
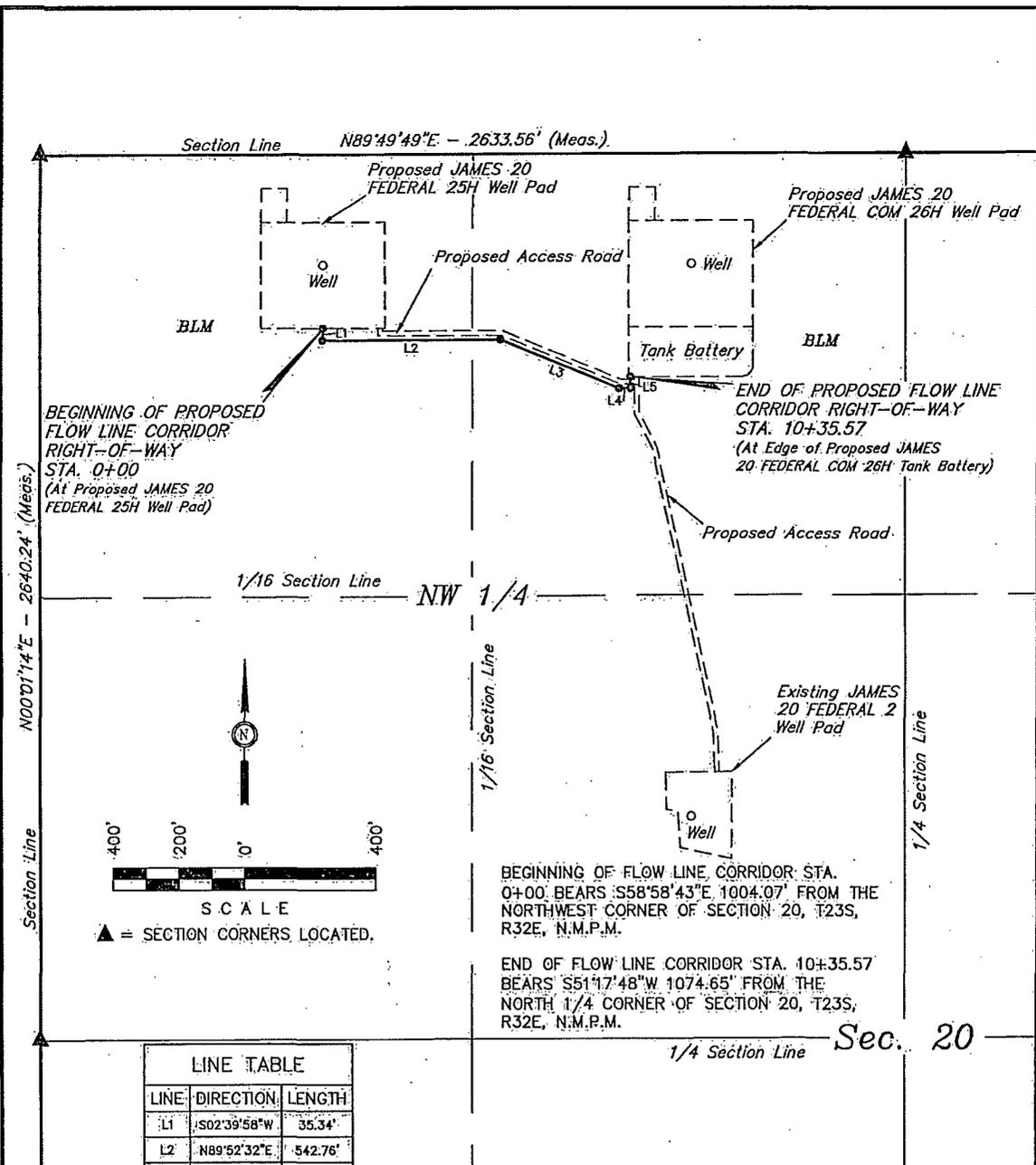
JAMES 20 FEDERAL 25H  
 SECTION 20, T23S, R32E, N.M.P.M.  
 330' FNL 860' FWL

DRAWN BY: J.S.      SCALE: 1" = 60'  
 DATE: 09-17-13      REVISED:

**UINTAH**  
 ENGINEERING & LAND SURVEYING

Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

**TYPICAL RIG LAYOUT      FIGURE #3**



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S02°39'58\"W	35.34'
L2	N89°52'32\"E	542.76'
L3	S67°40'17\"E	388.49'
L4	N89°53'33\"E	34.03'
L5	N00°06'27\"W	34.95'

**FLOW LINE CORRIDOR  
RIGHT-OF-WAY DESCRIPTION**

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
BLM	1035.57	0.238	62.76

A 10' WIDE RIGHT-OF-WAY 5' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 20, T23S, R32E, N.M.P.M., WHICH BEARS S58°58'43\"E 1004.06' FROM THE NORTHWEST CORNER OF SAID SECTION 20, THENCE S02°39'58\"W 35.34'; THENCE N89°52'32\"E 542.76'; THENCE S67°40'17\"E 388.49'; THENCE N89°53'33\"E 34.03'; THENCE N00°06'27\"W 34.95' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 20, WHICH BEARS S51°17'48\"W 1074.65' FROM THE NORTH 1/4 CORNER OF SAID SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.238 ACRES MORE OR LESS.

CERTIFICATE OF PROFESSIONAL SURVEY  
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
 72446  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 72446, STATE OF NEW MEXICO  
 11-27-13

NOTES:  
 • The proposed pipeline corridor contains 2 lines (1 gathering line and 1 gas lift line).

**Exhibit G**

**CIMAREX ENERGY CO.**  
 JAMES 20 FEDERAL 25H  
 SECTION 20, T23S, R32E, N.M.P.M.  
 330' FNL 860' FWL

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 ENGINEERING & LAND SURVEYING  
 Corporate Office • 85 South 200 East  
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DRAWN BY: J.S.      SCALE: 1" = 400'  
 DATE: 09-17-13      REV: 11-27-13 B.D.H.

**FLOW LINE R-O-W**      **EXHIBIT G**